




to claim 1, ~~characterised by the fact that~~ wherein the lighting module has a uniform source of light or radiation.


4. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim 1, ~~characterised by the fact that~~ wherein the lighting module is constituted by a fixed or a sweeping beam.
5. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim 1, ~~characterised by the fact that~~ wherein the lighting module is of collimated light.
6. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim 1, ~~characterised by the fact that~~ wherein the lighting module is of structured light.
7. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim 1, ~~characterised by the fact that~~ wherein the lighting module is of visible, infra-red or ultra-violet light.
8. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim 1, ~~characterised by the fact that~~ wherein the lighting module is of stroboscopic light.
9. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim 1, ~~characterised by the fact that~~ wherein the lighting module is of polarised light.


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circulation slot, an external light barrier in the form of curtains or bristle bars ~~or any other similar material.~~

15. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim ~~[[1]]~~ 2, ~~characterised by the fact that wherein~~ the background surface ~~(10)~~ is inclined at an appropriate angle, depending on the visual field of the ~~referred~~ artificial vision module camera, to diminish ~~the~~ retro-reflection of the ~~referred~~ background surface onto the ~~mentioned camera~~ artificial vision module.
16. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim 1, ~~characterised for having~~ including a device for the detection of the thickness of the textile ply, ~~either mechanic, electronic, optoelectric or another type,~~ which enables to ~~synchronise~~ synchronizing the ~~release of the shutters of the video cameras~~ artificial vision module with the passage of the overlapping splice region.
17. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim ~~[[1]]~~ 2, ~~characterised by the fact that wherein~~ the background surface has on ~~the~~ an inner surface in the area of ~~the~~ a ply circulation slot one or more marks that limit the observation area facilitating its identification by the computerized morphologic analysis program.
18. (Currently Amended) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according

- a. ~~interline transfer, frame, complete frame or other architecture;~~
- b. ~~arrangement of points with in line or on area sweeping;~~
- c. ~~spectrum of sensibility to one colour or to various colours in the visible, in the infra-red or ultra-violet spectrum.~~

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26. (New) An automatic control and monitoring system for splice overlapping tolerance in the textile ply according to claim 1, wherein the sub-system of image acquisition further comprises a ply circulation slot.